

WHAT IS CLAIMED IS:

1. A piezo-electric speaker comprising a piezo-electric member generating a strain according to an electric signal applied thereto; a piezo-electric vibration plate converting the strain to the acoustic vibration; and a sound-board resonating to the acoustic vibration; the piezo-electric plate being supported on the sound-board; the acoustic vibration caused by the piezo-electric vibration plate being propagated from the sound-board to the ambient air to generate a sound.

10 2. A piezo-electric speaker of claim 1 further comprising an elastic member supporting the piezo-electric vibration plate on the sound-board for generating a sound from the sound-board transmitted thereto from the piezo-electric vibration plate via the elastic member.

15 3. A piezo-electric speaker of claim 2 wherein the elastic member is adhered to the whole surface of the piezo-electric vibration plate.

4. A piezo-electric speaker of claim 2 wherein the elastic member supports the piezo-electric vibration plate at the periphery thereof.

20 5. A piezo-electric speaker of claim 1 further comprising a vibration transmitting member having a vibration propagating velocity higher than that of the sound-board for supporting the periphery of the piezo-electric vibration plate; the vibration transmitting member being mounted in an aperture formed in the sound-board.

25 6. A piezo-electric speaker of claim 1 further comprising a vibration transmitting member having a vibration propagating velocity higher than that of the sound-board for supporting the periphery of the elastic member; the vibration transmitting member being mounted in an aperture formed in the sound-board.

7. A piezo-electric speaker of claim 5 wherein the vibration transmitting member is a circle-annular vibration ring.

8. piezo-electric speaker of claim 5 wherein the vibration transmitting member is a plate-shaped vibration board.

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